

Deployment av operativsystem

Windows 7



UNIVERSITETET I BERGEN

Hva er nytt?

- Windows Deployment Services
- Windows PE 3.1
- Windows Automated Installation Kit for Windows 7
- WIM (Windows Imaging Format)
- DISM (Deployment Image Servicing Management)
- HTA Applikasjon for installasjon av OS
- BCDEdit (Boot Configuration Data Editor)
- Reinstallasjon av Windows 7
- Zero Touch



DHCP

- Main page
- Search
- Add host
- Print net
- Print vlan
- Status
- In pool?
- IP-info
- Plans
- Statistics

Edit existing host:

?	Hostname	<input type="text" value="IT011233"/>
?	Mac-Address	<input type="text" value="00:0c:29:f6:99:ab"/>
	Subnet	<input type="text" value="129.177.011.0 - IT-avd. Skittent nett"/>
	Last IP-Byte	<input type="text" value="233"/>
	Group	<input type="text" value="Windows Deployment Services - Natt"/>
?	Options:	<div style="border: 1px solid gray; padding: 5px;"><p>Standard gruppe for klientdrift (WinPE)</p></div>
?	Comment	<input type="text"/>
?	Automatic WOL?	<input type="checkbox"/>
?	Update DNS?	<input type="text" value="Windows Deployment Services - Natt"/>



Netboot

```
Network boot from AMD Am79C970A
Copyright (C) 2003-2005 VMware, Inc.
Copyright (C) 1997-2000 Intel Corporation

CLIENT MAC ADDR: 00 0C 29 F6 99 AB  GUID: 564D74D5-6F2A-E228-063E-6A9739F699AB
CLIENT IP: 129.177.11.233  MASK: 255.255.255.0  DHCP IP: 129.177.30.50
GATEWAY IP: 129.177.11.1

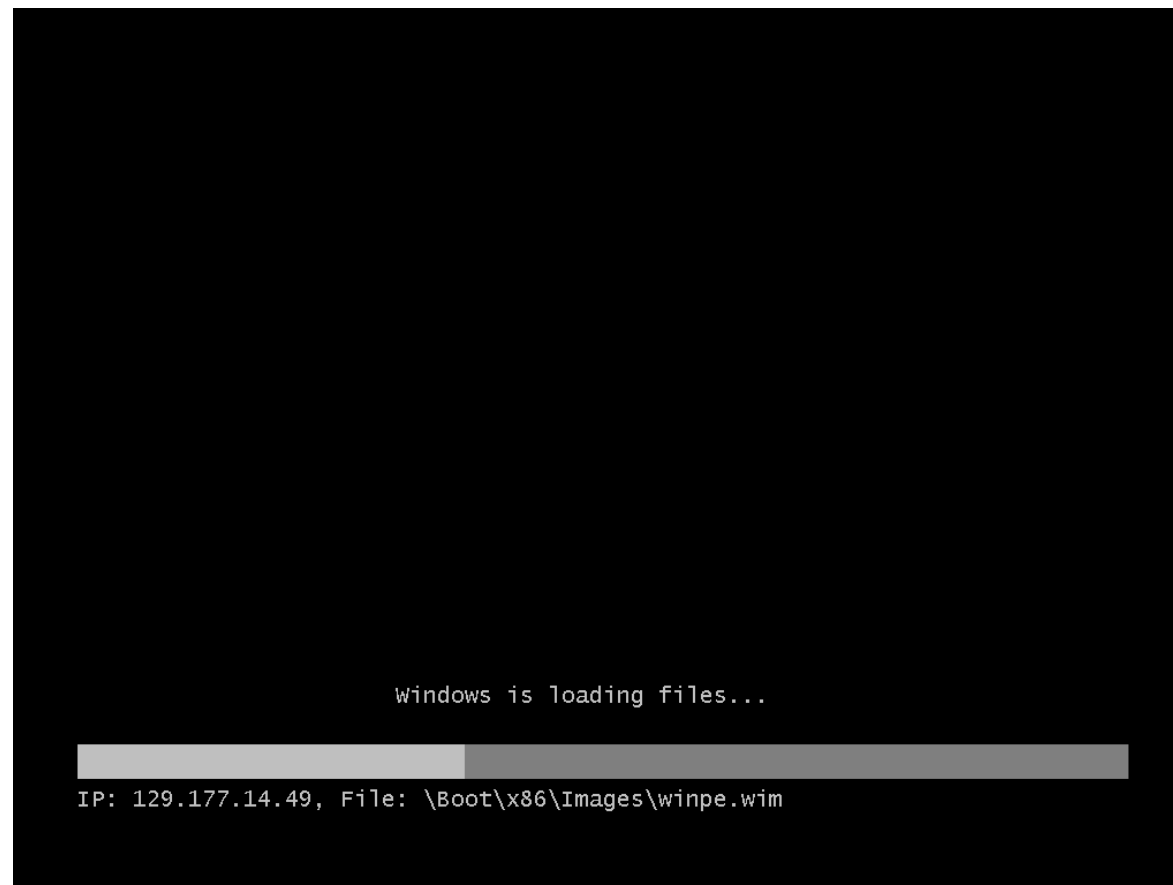
Downloaded WDSNBP...

Architecture: x64
WDSNBP started using DHCP Referral.
Contacting Server: 129.177.14.49 (Gateway: 129.177.11.1).
Contacting Server: 129.177.14.49.
TFTP Download: boot\x86\wdsnbp.com

Downloaded WDSNBP...

Press F12 for network service boot
_
```

Laster inn PE








Login

Username:

Password:


Domain:

 Restart   Login




www.uib.no









Velg OS / nyttige tools



 IT - Avdelingen

Select the operating system you want to install

-  Windows 7
-  Windows XP
-  Linux

Tools

-  Ghost
-  Command Prompt
-  Remote Desktop
-  Ghost Explorer
-  Total Commander
-  Regedit

 Restart  Next

Computer Info

CPU: 1x Core @ 2.49 Ghz (s)
RAM: 1 GB
Architecture: 64 bit
Manufacturer: VMware, Inc.
Serial Number: VMware-56 4d bb 85 11 6c 23 e6-b0 d1 19 3b 78 98 b4 a8

Network Info

Manufacturer: Intel(R)
IP Address: 129.177.11.233
MAC Address: 00:0C:29:F6:99:AB

Disk Info

Disk 0: 40 GB
Partition 0: 30 GB
Partition 1: 10 GB
Disk 1: 2 GB



Installasjonsvalg - Nyinstallasjon

The screenshot shows the Windows 7 Configuration utility interface. At the top left is the University of Bergen logo and the text "IT - Avdelingen". Below this is the "Windows 7 Configuration" title. The main section is titled "Installation disk 0, choose installation type:" and offers two options: "New Installation" (selected with a radio button) and "Reinstallation" (unselected). Below this, there is a text prompt: "Choose the partition size (in GB), can not be less than 40 GB" followed by a text input field containing "40". There are also two checkboxes: "Advanced: Use unicast stream" (unchecked) and "Enter or change the computer name:" (checked), with the latter having a text input field containing "IT011233". On the right side, there are three sections of system information: "Computer Info" (CPU: 1x Core @ 2.49 Ghz, RAM: 1 GB, Architecture: 64 bit, Manufacturer: VMware, Inc., Serial Number: VMware-56 4d bb 85 11 6c 23 e6-b0 d1 19 3b 78 98 b4 a8), "Network Info" (Manufacturer: Intel(R), IP Address: 129.177.11.233, MAC Address: 00:0C:29:F6:99:AB), and "Disk Info" (Disk 0: 40 GB, Partition 0: 30 GB, Partition 1: 10 GB, Disk 1: 2 GB). At the bottom left is a "Back" button with a left-pointing arrow, and at the bottom right is a "Next" button with a right-pointing arrow.



Installasjonsvalg - Reinstallasjon

The screenshot shows the Windows 7 Configuration screen for reinstallation. At the top left is the University of Bergen logo and the text "IT - Avdelingen". Below that is the Windows 7 logo and "Configuration". The main heading is "Installation disk 0, choose installation type:". There are two radio buttons: "New Installation" (unselected) and "Reinstallation" (selected). Below this is a link "Advanced: Use unicast stream" with an unchecked checkbox. A text field for "Enter or change the computer name:" contains "IT011233". On the right, there are three sections of system information: "Computer Info" (CPU: 1x Core @ 2.49 Ghz, RAM: 1 GB, Architecture: 64 bit, Manufacturer: VMware, Inc., Serial Number: VMware-56 4d bb 85 11 6c 23 e6-b0 d1 19 3b 78 98 b4 a8), "Network Info" (Manufacturer: Intel(R), IP Address: 129.177.11.233, MAC Address: 00:0C:29:F6:99:AB), and "Disk Info" (Disk 0: 40 GB, Partition 0: 30 GB, Partition 1: 10 GB, Disk 1: 2 GB). At the bottom left is a "Back" button and at the bottom right is a "Next" button.

UNIVERSITÄT BERGENS IT - Avdelingen

Windows 7 Configuration

Installation disk 0, choose installation type:

New Installation Reinstallation

Advanced: Use unicast stream

Enter or change the computer name: IT011233

Computer Info

CPU: 1x Core @ 2.49 Ghz (s)

RAM: 1 GB

Architecture: 64 bit

Manufacturer: VMware, Inc.

Serial Number: VMware-56 4d bb 85 11 6c 23 e6-b0 d1 19 3b 78 98 b4 a8

Network Info

Manufacturer: Intel(R)

IP Address: 129.177.11.233

MAC Address: 00:0C:29:F6:99:AB

Disk Info

Disk 0: 40 GB

Partition 0: 30 GB


Partition 1: 10 GB


Disk 1: 2 GB

Back Next



Oppsummering

 IT - Avdelingen

 **Windows 7** Summary

Computer name	IT011233
Installation type	Re-installation
Selected disk 0	VMware, VMware Virtual S SCSI Disk Device
Transmission	Multicast

Computer Info


CPU: 1x Core @ 2.49 Ghz (s)
RAM: 1 GB
Architecture: 64 bit
Manufacturer: VMware, Inc.
Serial Number: VMware-56 4d bb 85 11 6c 23 e6-b0 d1 19 3b 78 98 b4 a8


Network Info

Manufacturer: Intel(R)
IP Address: 129.177.11.233
MAC Address: 00:0C:29:F6:99:AB

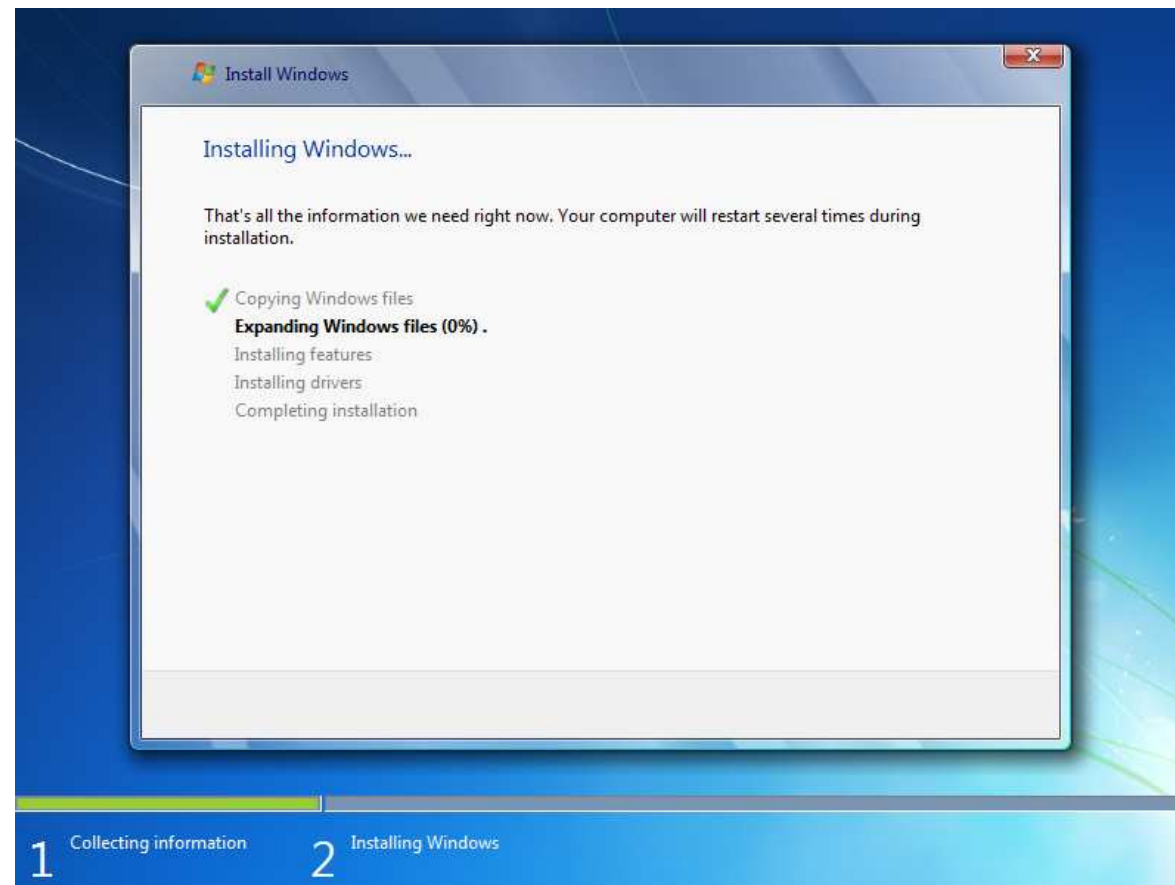
Disk Info

Disk 0: 40 GB
Partition 0: 30 GB
Partition 1: 10 GB
Disk 1: 2 GB

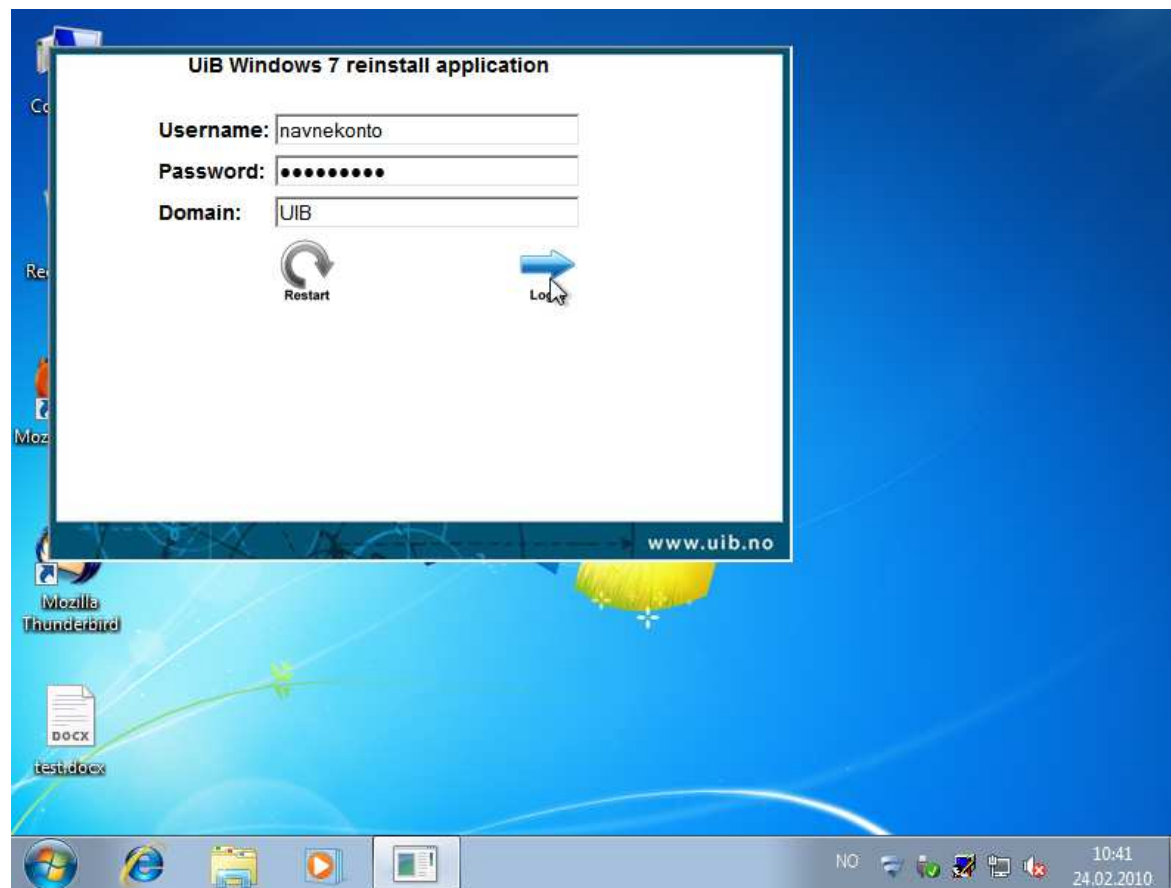
 Back

Install 

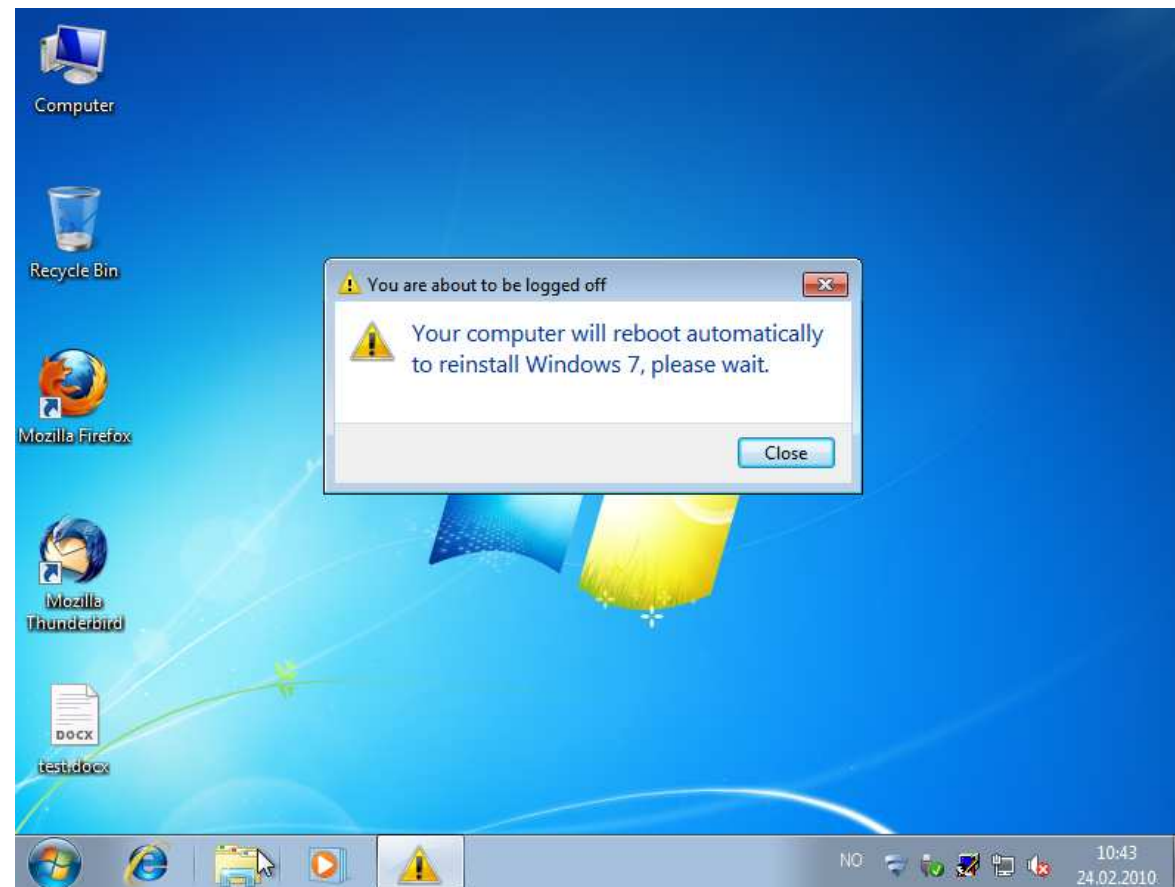
Installer Windows 7



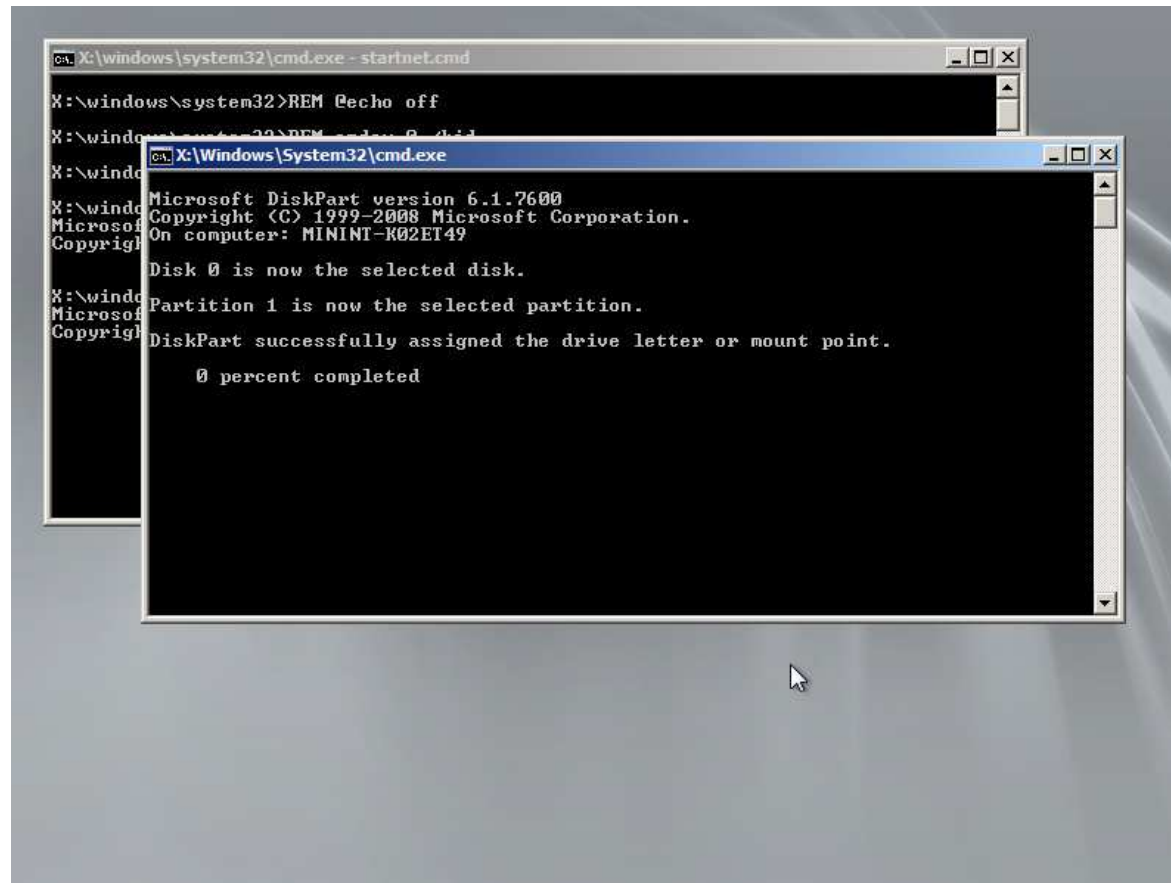
Reinstallasjon via fjernhjelp



Gjør seg klar til omstart



Starter PE fra ramdisk



```
CA: X:\windows\system32\cmd.exe - startnet.cmd
X:\windows\system32>REM @echo off
X:\windows\system32>REM echo %_disk%
X:\windows\system32>REM echo %_part%
CA: X:\Windows\System32\cmd.exe
Microsoft DiskPart version 6.1.7600
Copyright (C) 1999-2008 Microsoft Corporation.
On computer: MININT-K02ET49

Disk 0 is now the selected disk.

Partition 1 is now the selected partition.

DiskPart successfully assigned the drive letter or mount point.

    0 percent completed
```

Zero Touch

Maskinen må være:

- Konfigurert til å starte fra nettverket
- Registrert i DHCPAdmin
- Ha en maskinkonto i AD

